

Abstract

Turbine blade with at least four stages, and use of a rotor blade of reduced mass

According to the prior art, rotor blades in the fourth stage of a gas turbine which exceed a length of 50 cm cause problems with regard to the mechanical strength, since excessively high centrifugal forces are produced during rotation of the rotor blades.

A rotor blade (16) according to the invention in the fourth row (V4) of a gas turbine (41), by virtue of having a high proportion of ceramic, has a lower density, so that the centrifugal forces are reduced.

Figure 2